

**Tetra Tech, Inc.**

4213 State Street, Suite 100
 Santa Barbara, CA 93110-2847
 VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base IRP**
 Log of Well No. **35-MW-8**

Location: **OU4, Site 35, adjacent to El Rancho Oeste Rd.,
 approx. 1,350 feet southwest of silo (Bldg. 1935).**

Date Started: 2/19/98 Completed: 2/19/98

Logged By: R. J. Elliot Checked By: K. McNamara, R.G.

Drilled By: B. Carpenter, S/G Testing **KM#6678**

Drilling Equipment: CME 75, 8-inch & 10-inch HSA

Sampling Equipment: 2-inch I.D. Split Spoon

GS Elev.: 377.2 ft above MSL TD: 26 ft bgs

4" PVC Bank Casing: from 0 ft bgs to 18.5 ft bgs

0.01" Screened Casing: from 18.6 ft bgs to 23.6 ft bgs

Bentonite/Cement Grout: from 0 ft bgs to ~13 ft bgs

Bentonite Transitional Seal: from ~13 ft bgs to 16.5 ft bgs

2/12 Sand Filter Pack: from 16.5 ft bgs to 24.5 ft bgs

TOC Elev.: 378.69 ft above MSL

Depth (ft bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
	<u>silty sand</u> , very dark grayish brown (10YR 3/2), fine grained, poorly graded, subrounded, moist, some silt, few roots, alluvium.		SM					1.7/ 3.8	Start drilling 1030. Grab soil sample collected at surface.
5	<u>silty sand</u> , light yellowish brown (10YR 6/4), fine grained, poorly graded, subrounded, loose, wet, little silt, Orcutt Formation.					1 2 3	50	0/ 0.6	Moisture due to recent rains. Not groundwater.
10	<u>silty sand</u> , gray (10YR 5/2), fine grained, poorly graded, subrounded, medium dense, very moist, little silt, some iron colored staining, Orcutt Formation.					5 10 13	100	0/ 13.6	
15	same as above except few clay stringers.					8 12 16	100	0/ 9.8	
20						10		0/ 5.4	

20 ft bgs ▼ Groundwater depth during drilling

+1.4 ft ▼ Groundwater depth after well development on: 3/27/98

TC Number: A234-06

TETRA TECH, INC.

Page 1 of 2

**Tetra Tech, Inc.**

4213 State Street, Suite 100
Santa Barbara, CA 93110-2847
VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base IRP**
Log of Well No. **35-MW-8**

Location: **OU4, Site 35, adjacent to El Rancho Oeste Rd.,
approx. 1,350 feet southwest of silo (Bldg. 1935).**

Depth (ft bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
20	<u>silty sand</u> , light yellowish brown (2.5Y 6/3), fine grained, poorly graded, subrounded, dense, very moist, few silt, Orcutt Formation.		SM			14 21	75		
25	<u>clay</u> , weathered Sisquoc Formation.		CL			4 7 10	100	0/ 0.4	Rough drilling at 24.5 ft. End drilling 1125. Drilled 8-inch hole to 26 ft. Reamed with 10-inch auger to 24.5 ft. Construct 4-inch well using 0.01-inch Veewire screen. Heavy flow sands during well construction. Added approx. 110-gallons of potable water during construc- tion. Depth of bentonite seal is approx. due to heaving sands. Static water level above ground sur- face after well development.
30									
35									
40									
45									